PROJECT TITLE:
ONLINE VOTING WEBSITE

BY

Maganti Vijaya Durga- AP18110010456

Nandikam Geetha Madhurya-AP18110010444

Godavarthi Chandra Keerthi- AP18110010429

Peteti Sravani-AP18110010439

ABSTRACT:

This website helps users during the period of election, where voters can vote from anywhere having a basic knowledge of English and internet access to mobile or desktop. Nowadays voting is held using ballot paper and EVM machines and the counting is done manually many days after the election. This consumes a lot of time and needs a lot of money. Also, voters need to spend a lot of time standing in lines. Double voting and vote rigging generally happens in these manual elections. Due to all these problems it is very difficult to conduct elections. To overcome all these problems the online voting is introduced.

On this online voting website user can register for a particular election which will be active only for a particular period of time. While registering user need to provide valid details like name, address, voter id number, date of birth, phone number, email id etc. This information will help the admin in sorting the valid voters. This dynamic website will be more interactive and helps voters and election conducting authority in the smooth conduction of elections.

While login user is required to enter id number multiple times for checking. This process is secure, easy to use and there will be no duplicate votes. Vote count for each party is also done automatically and will be displayed only to the admin of the page who need to enter username and password in order to see the result. This system will increase the voting percentage and reduces false votes. This process is time and money saving. Proper control and check by the election conducting authorities make this system more efficient and avoids many disturbances that generally happens during the time of elections.

OBJECTIVE:

To develop an online web based voting system that can be used during the election period to vote and to build an online voting system that would enable voters to cast their votes not more than once.

> There is a database which is maintained in which it contains all the names of voters with complete information is stored.
> And we validate the system to ensure that only eligible voters are allowed to vote.
> And we have Instant poll result, easy to keep track of voters, use of Internet, secure voting system.
> And a online voting system can save time spent on voting in the booths. Convenient vote casting through the mobile phone .
> And to come up with a online voter registration module and online display of election results.
> And coming up with an automated voting system.
> Provide secure voting system and maintains all the requirements of the voting process such as authentication, confidentiality and integrity.

MOTIVATION:

We believe our system is fast and efficient and that will make users happy. Increase voter confidence and improve the voting experience

1.Moblie Voting: Ability to vote any where

2.Automatic Vote counting: Saves Time & More Accurate

3.Candidates Information : Easily Accessible

3. WORK FLOW

a) BRIEF DESCRIPTION

Online voting website allows the voters to vote from the comfort of their home. The main purpose of the project is to overcome the limitations of the existing voting system where, voters have to go to the polling booth to cast their vote and stand in lines for long time and there are also cases where people tend to vote multiple times even after taking many measures. This system helps the election commission to conduct elections in a smooth manner.

This website allows the voter to register for the elections using their voter id. While registering voter has to enter the details like name, date of birth, phone number etc. After registering eligible voters are chosen by the admin who has access to the data of the registered voters in the database. After registering eligible voters can cast their vote in this website. This will be active only during the time of elections.
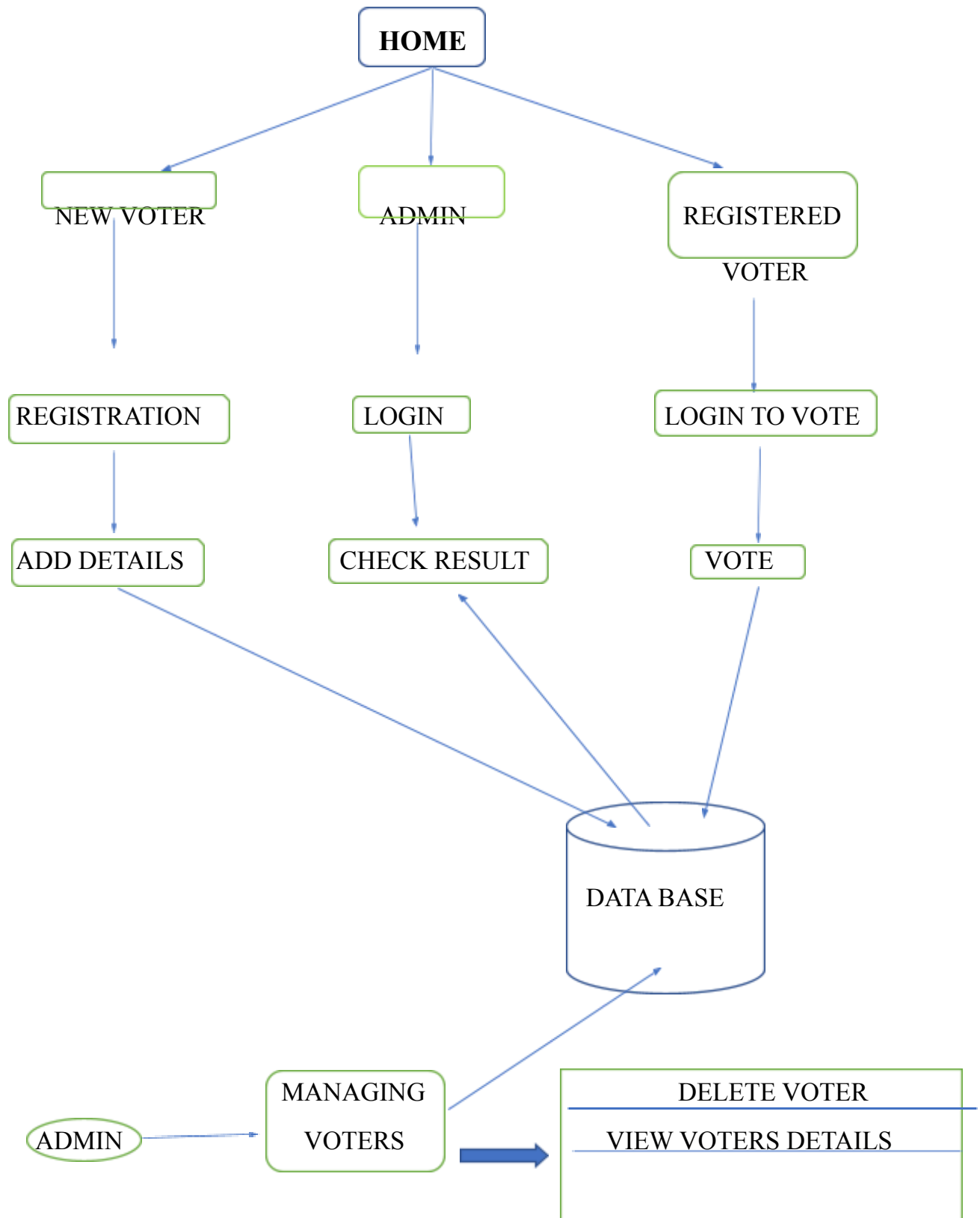
Voter can cast vote after the completion of the login using his/her voter id. Then a new page will open where user has to enter the voter id number again (double check) along with the one time password (OTP) that is sent to the phone number that is submitted by the user during registration. After successfully entering the OTP voter can cast his/her vote to the party of his choice. For the convenience of the voter symbols of the parties are also displayed in the page along with the party names. Once the voter has completed his voting, he/she can logout and the voter will not be allowed to cast his vote again. If the voter tries to cast his vote again, a message is shown to the user saying- 'you can cast your vote only once and you already used this voter id number'.

The admin of website can login using the user id and password to see the number of votes polled for each party based on which the election results are declared. All the user data that is produced during the process of registration is stored in the database. And the votes casted by the voters are also stored in this database and the total number of votes to each party are calculated and are displayed to the admin on his request.

This websites home page also has buttons named about and contact us which helps the user to know about the system and contact the administrators by posting their questions respectively. User can submit their query or comment in this section where the user has to provide

details like name, phone number, email id along with the comment or question.
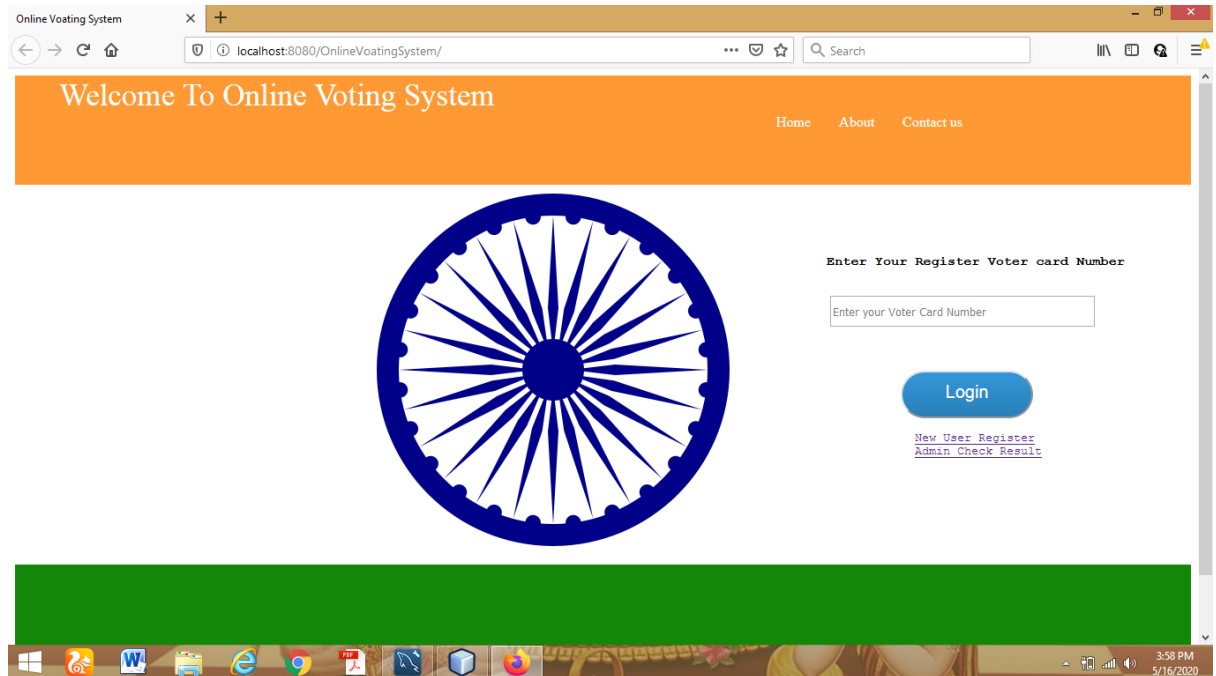
b) FLOW DIAGRAM

```
                          ┌──────────┐
                          │   HOME   │
                          └──────────┘
              ┌──────────────┬──────────────┐

   ┌──────────────┐   ┌──────────────┐   ┌──────────────┐
   │  NEW VOTER   │   │    ADMIN     │   │  REGISTERED  │
   └──────────────┘   └──────────────┘   │    VOTER     │
                                         └──────────────┘

   ┌──────────────┐   ┌──────────┐      ┌──────────────┐
   │ REGISTRATION │   │  LOGIN   │      │ LOGIN TO VOTE│
   └──────────────┘   └──────────┘      └──────────────┘

   ┌──────────────┐   ┌──────────────┐  ┌──────────┐
   │ ADD DETAILS  │   │ CHECK RESULT │  │   VOTE   │
   └──────────────┘   └──────────────┘  └──────────┘


                          ┌──────────────┐
                          │  DATA BASE   │
                          └──────────────┘


   ╭───────╮   ┌──────────────┐      ┌──────────────────────────┐
   │ ADMIN │──▶│  MANAGING    │─────▶│     DELETE VOTER         │
   ╰───────╯   │   VOTERS     │      │  VIEW VOTERS DETAILS     │
              └──────────────┘      └──────────────────────────┘
```
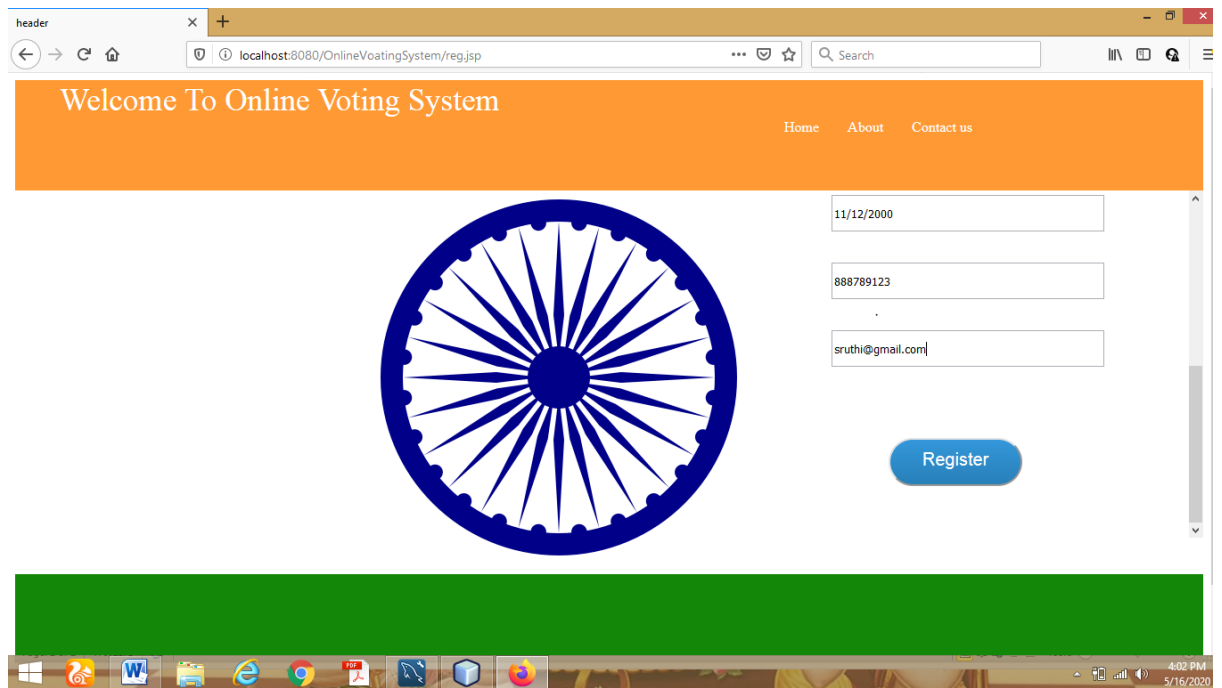
c) SCREENSHOTS

i)Main page

ii) New user registration

iii) New user registration

iv) Login page

v) Voting page 1
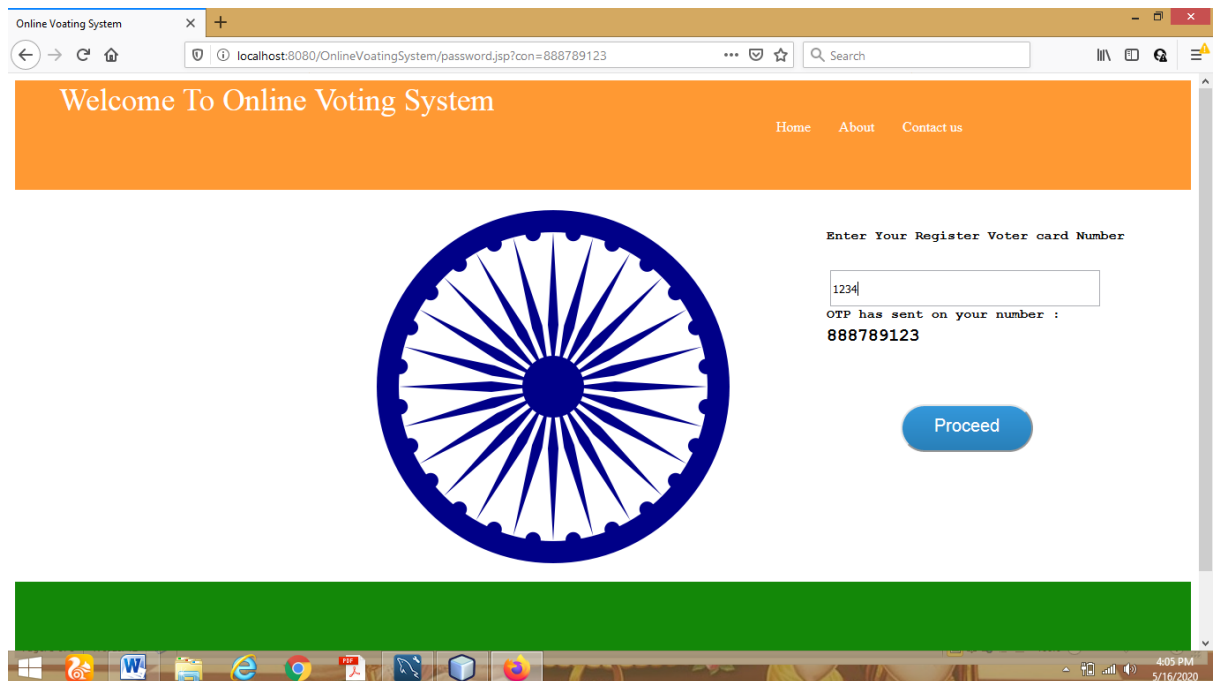
vi) voting page 2

vii)Admin login

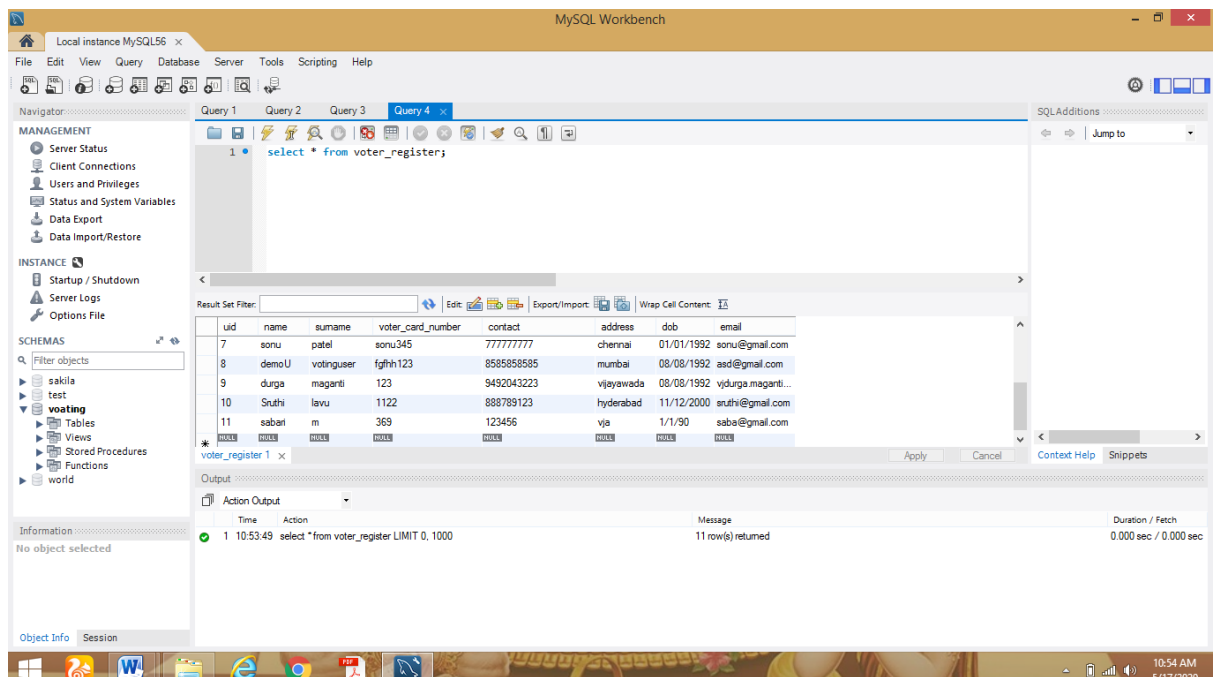**viii) Result page**

ix) Contact page

x) About us

d)DATA MANAGEMENT

This system uses database to manage its data efficiently. In the background this system uses MySQL database. Data entered during voter registration is added to the tables in the database after which the admin can update, delete, view voters'

details in the database. When the user tries to login to cast their vote using their voter id number, the number will be checked in the database and only registered users who are eligible can only login into the voting page and others access to the page will be denied. When user tries to cast their vote entering voter id number again, and the phone number corresponding to the entered voter id number is checked in the database and user must enter the OTP to cast his vote.

The vote casted by the voter will be added to the database and the total votes polled for each party will be calculated in the background and the result can be viewed by the admin on his request, which will be retrieved from the database. Unauthorized users are not given access to the voting page and double voting is also denied by the system by checking the voter id numbers of voters who already voted in the database. Database connectivity in this system helps the website to handle its huge amount of data more efficiently.

Fig. Table in the database

c) **FUTURE SCOPE & GOALS**

This system can be used to conduct various type of elections like-university/college/school, cooperative, and elections at different level since this saves time, cost of conducting elections and provide accurate results.

Security of the system must be improved to make it robust.

We can make it available for all the desktop and mobile users.

Admin rights and their functionality with data and database can be revived.

Candidate registration and their eligibility check can also be added.

CONCLUSION

Online voting management system which will enables the voter to cast his/her vote through internet without going to voting booth and additionally registering himself/herself for voting in advance, multiple times voting is not possible, to get access highly and security, and it is easy to maintain all information of voting, which is of highly efficient and flexible. Hence, by doing this voting percentage will increase drastically. The using of online voting management which has the capability to reduce the unwanted human errors. In addition to this, online voting management can perform multiple tasks, which can provide better improvement of large elections. so people can reduced their time to vote by casting their votes by the online voting management systems websites like ECIMS Election commision of india